

MATERIAL SAFETY DATA SHEET

Page 1

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: BROWN OUT
ACID CLEANER

Chemical Formula: NL836

Manufacturer: Hawco Products Ltd/North-King Chemicals
61 Shaver Street,
Brantford, Ontario. N3T 5V6

Distributor:

Emergency Telephone Number: 1-519-759-2443

Date prepared: September 3, 2014

Canutec 24 Hour Emergency Phone - 613-996-6666, Cellular *666

TDG CLASSIFICATION: CORROSIVE LIQUID NOS, CONTAINERS PHOSPHORIC ACID
CLASS 8, UN 1760, PG III

Hazard Rating

HEALTH: 4

FLAMMABILITY: 0

REACTIVITY: 2

PERSONAL PROTECTION: E

SECTION II - INGREDIENTS (disclosed as per 29 CFR 1910.1200)

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>
PHOSPHORIC ACID	7664-38-2	10 - 30	100 MG/CU.M
HYDROGEN FLUORIDE	7664-39-3	3 - 7	NAV

SECTION III - PHYSICAL DATA

Boiling Point (deg C): NAV

Specific gravity: 1.2 - 1.26

Composite Partial Vapour Pressure (mm Hg @ 25C): NAV

Solubility in Water:(20C)INFINITE

pH (as supplied): 0.1

Color: CLEAR COLORLESS

Physical State: LIQUID

Odor: ACRID ODOR

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: NOT FLAMMABLE

Flash Point (deg C, TCC):

NAV LEL: NAV

UEL: NAV

Hazardous combustion products:

NAV

Extinguishing Media: NAV

Special Fire Hazards: NOT FLAMMABLE BUT HIGHLY REACTIVE. EXTREMELY REACTIVE IN CONTACT WITH CARBIDES, CHLORATES, NITRATES, POWDERED METALS.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability:

NOT STABLE - UNDER FIRE CONDITIONS OR SPILLS

Incompatible Materials:

CHLORATES, NITRATES, CARBIDES, METALS

Hazardous decomposition products:

TOXIC GASES AND VAPORS

MATERIAL SAFETY DATA SHEET

Page 2

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SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: SKIN CONTACT, EYE CONTACT, INGESTION
EFFECTS OF ACUTE EXPOSURE:
Eye: SEVERE IRRITATION AND CORROSION OF EYES
Skin: SEVERE IRRITATION AND CORROSION OF SKIN
Inhalation (of mists): SEVERE IRRITATION AND CORROSION OF RESPIRATORY TRACT

Ingestion: SEVERE IRRITATION AND CORROSION OF DIGESTIVE SYSTEM
EFFECTS OF CHRONIC EXPOSURE: SAME AS ACUTE
Carcinogenicity: NOT LISTED BY NTP

SECTION VII- PREVENTATIVE MEASURES

Protective gloves: RUBBER, NEOPRENE
Eye protection: FACE SHIELD, GOGGLES
Respiratory protection: USE RESPIRATOR WITH ACID/GAS CARTRIDGE
Other protective equipment: EMERGENCY SHOWER, EYE WASH STATION
Engineering controls: NORMAL VENTILATION
Leak and Spill Procedure: REMOVE IGNITION SOURCES. VENTILATE AREA,
CONTAIN LEAK, DIKE WITH INERT MATERIAL, CONTAIN
FOR DISPOSAL.
Waste disposal: ACCORDING TO FEDERAL, PROVINCIAL AND LOCAL
REGULATIONS.
Storage Requirements: STORE IN SUITABLE CLOSED CONTAINERS, IN COOL DRY
AREA.

SECTION VIII - FIRST AID

Eye contact: Immediately flush with water for 20 minutes and seek medical attention immediately.
Skin contact: Flush with water for 20 minutes. Seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention.
Ingestion: Rinse mouth, give one glass water. Do not induce vomiting. Call physician.

SECTION IX - PREPARATION DATA OF MATERIAL SAFETY DATA SHEET

Additional information/comments:
Prepared By: HAW
NAP - Not Applicable, NAV - Not Available.

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.